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|-------------------|----------|------|--|--|--|
| FROM              |          |      | DATE   |  |  |
| NPIC/TSSG/ESD/TZB |          |      | 28 Jan 69  |  |  |
| TO                | INITIALS | DATE | REMARKS  |  |  |
| DIRECTOR          |          |      | NPIC/TSSG/DED<br>ATTN: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 20px;"></span><br>Room 5-5468<br><br><i>File 02038</i><br><i>Test &amp; Eval</i> |  |  |
| DEP/DIRECTOR      |          |      |  |  |  |
| EXEC/DIRECTOR     |          |      |  |  |  |
| SPECIAL ASST      |          |      |  |  |  |
| ASST TO DIR       |          |      |  |  |  |
| ASST TO DEP/DIR   |          |      |  |  |  |
|                   |          |      |  |  |  |
| CH/PPBS           |          |      |  |  |  |
| DEP CH/PPBS       |          |      |  |  |  |
| EO/PPBS           |          |      |  |  |  |
|                   |          |      |  |  |  |
| CH/IEG            |          |      |  |  |  |
| DEP CH/IEG        |          |      |  |  |  |
| EO/IEG            |          |      |  |  |  |
|                   |          |      |  |  |  |
| CH/PSG            |          |      |  |  |  |
| DEP CH/PSG        |          |      |  |  |  |
| EO/PSG            |          |      |  |  |  |
| CH/DBD/PSG        |          |      |  |  |  |
|                   |          |      |  |  |  |
| CH/TSSG           |          |      |  |  |  |
| DEP CH/TSSG       |          |      |  |  |  |
| EO/TSSG           |          |      |  |  |  |
|                   |          |      |  |  |  |
| DIR/IAS/DDI       |          |      |  |  |  |
| CH/DIA/XX4        |          |      |  |  |  |
| CH/DIA/AP-1P      |          |      |  |  |  |
| CH/SPAD           |          |      |  |  |  |

25X1

1P FM 30 (1-68) DESTROY PREVIOUS EDITIONS

Declass Review by  
 NIMA/DOD

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NPIC/TSSG/ESD/TEB-4-6)  
28 January 1969

MEMORANDUM FOR: Chief, Imagery Exploitation Group, NPIC

ATTENTION:

SUBJECT: Test Plan For Advanced 918 Light Tables

1. The attached Test Plan is forwarded for your information and planning purposes.
2. Two prototypes are expected by the end of February. TEB/ESD expects to perform acceptance and engineering tests prior to delivery of both units to IEG for operational suitability evaluation.
3. Your comments concerning this Test Plan will be welcomed.

*LS*  
  
Chief  
Engineering Support Division, TSSG

Attachment:  
As stated above

cc:

Distribution:

Orig. -- Addressee  
1 -- NPIC/TSSG/Ch/DED   
1 -- NPIC/TSSG/Ch/EPB  
1 -- DIA/DIAAP-9C2  
1 -- NPIC/TSSG/ESD  
2 -- NPIC/TSSG/ESD/TEB

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15 January 1969

# TEST PLAN

## ADVANCED 918 LIGHT TABLES (918A)

- 25X1 REFERENCES: 1. Contract [ ] and attachments  
2. T&E Report 68-11 dated May 1968

### 1. INTRODUCTION

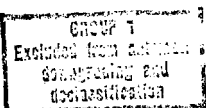
1.1. The Advanced 918 Light Table is designed to provide increased illumination, easier loading, improved tilting characteristics, and a film transport system superior to the one on 918 tables currently in use.

1.2. The referenced contract was awarded to [ ]  
Delivery of a prototype under this contract is expected by the end of February 1969. For reporting purposes this table will be designated 918A-1. 25X1

1.3. In response to a request for proposal for development of this table, [ ] produced a prototype and delivered it to the Center in lieu of a proposal. TEB tested this unit and reported on it in May 1968. (Ref.2)  
This table has since been reworked by [ ] and delivery for retesting is also in late February. This table will be designated 918A-2. 25X1

1.4. Both the 918A-1 and 918A-2 tables will be evaluated. Both interim and final Test & Evaluation Reports will be produced. This will provide comparison between the prototypes for future procurement guidance.

1.5. A three phase test program is planned for these light tables. Whether either or both units complete all three phases will depend upon results as the testing proceeds. A very serious deficiency or breakdown could cause a delay in the program or even elimination from further consideration. If this situation occurs both the Development Engineering Division and the interested operating divisions will be notified so that a decision regarding the appropriate course of action can be reached.



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## 2. ACCEPTANCE TESTING

2.1. After arrival of the prototypes at NPIC the Test and Evaluation Branch will perform a series of tests and inspections as appropriate to determine the degree to which the contractual specifications and design objectives have been attained.

2.2. The results of this acceptance test phase will be presented to DED for their guidance in deciding on final contractual action. Every effort will be made to complete this testing phase within one month after arrival.

## 3. ENGINEERING TESTS

3.1. The purpose of this testing phase is to thoroughly investigate the performance capability of the equipment and to evaluate its suitability for its intended function from an engineering viewpoint.

3.2. Tests will be conducted to determine actual performance limitations. These may be beyond, or in addition to, the contractual performance requirements.

3.3. A detailed analysis will consider such factors as design configuration, materials of construction, reliability, maintainability, safety and human factors. In addition, all other delivered items such as special tools, spare parts, instruction manuals and drawings will be evaluated.

3.4. The results of both the acceptance and engineering test phases will be made available in the form of a timely written interim report. In addition to test results it will contain conclusions and recommendations which may provide guidance to operating division personnel during the next testing phase. This report will also provide authoritative data for use in the preparation of specifications if additional procurement is contemplated.

## 4. OPERATIONAL SUITABILITY TEST

4.1. The purpose of this final testing phase will be to determine the suitability of the light table for use in an operational environment. The test program will be designed and performed by regular operational personnel. They will have available for their guidance the interim report by the Test and Evaluation Branch as well as all manuals furnished by the manufacturer. They are asked to report their findings to TEB in written form within a week after conclusion of their testing period.

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4.2. The schedule for conducting this phase will be arrived at by coordination between DED, TEB and the interested operating divisions. TEB will require from four to six weeks from initial arrival to complete their test program. Therefore, if the tables arrive by the end of February, we expect the operational phase to begin during the first half of April.

## 5. TEST AND EVALUATION REPORT

5.1. Upon completion of the testing program described herein an overall report will be produced. This report will contain details of all testing performed and will contain conclusions and recommendations by TEB and the operating divisions involved. It is planned to distribute this report to all operating components within NPIC, to EXRAND members and to other qualified components upon request.



Chief/TEB/ESD

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